

AMENDMENTS TO THE CLAIMS

Replace the claims with the following rewritten listing:

1. (Currently Amended) Seat occupancy sensor, comprising at least one pressure detection device associated with a surface of a seat and a control unit for communicating with the pressure detection device, ~~characterised in that~~wherein said pressure detection device comprises a surface acoustic wave device including at least one surface acoustic wave resonator and an antenna and ~~in that~~wherein said control unit comprises an RF antenna for remotely communicating with said surface acoustic wave device, wherein said pressure detection device further comprises a dedicated pressure sensor, said dedicated pressure sensor being electrically connected to said surface acoustic wave device so as to activate said surface acoustic wave device when said dedicated pressure sensor is triggered.

2. – 10. (Cancelled)

11. (Currently Amended) Seat occupancy sensor according to claim 10, wherein said dedicated pressure sensor comprises a pressure sensitive switching device, said pressure sensing switching device being electrically connected to said surface acoustic wave device so as to activate said surface acoustic wave device when said pressure sensitive switching device is triggered.

12. (Original) Seat occupancy sensor according to claim 11, wherein said pressure sensitive switching device is connected in series between the surface acoustic wave resonator and the antenna.

13. (Currently Amended) Seat occupancy sensor according to ~~any one of claims 11 and 12~~, wherein said pressure sensitive switching device comprises

a plurality of individual pressure sensors or switches arranged at different locations with respect to the seat surface.

14. (Currently Amended) Seat occupancy sensor according to ~~any one of~~ claims 10 ~~to~~ 13, wherein said surface acoustic wave device comprises at least one acoustic wave resonator adapted for temperature measurement.

15. (Original) Seat occupancy sensor according to claim 14, wherein said surface acoustic wave resonator is able to oscillate at a given frequency depending on the temperature inside the sealed chamber.